



Indraprastha College for Women University of Delhi

Work Plan for ODD SEMESTER – 2026

Course Name:	Skill Enhancement Course (SEC)
Paper Title:	Prospecting E-Waste for Sustainability
Unique Paper Code:	2186000002
Semester:	III
Faculty:	Dr. Shanta Kumar
Year:	2026

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
Practical	Identify and classify common categories of e-waste	1	Course orientation; identification of e-waste and its major types
Practical	Examine material composition and apply segregation principles	2	Study of e-waste composition and segregation using the material provided
Practical	Demonstrate safe dismantling and handling procedures	3	Demonstration of e-waste dismantling and safe handling processes
Practical	Observe operational practices at an e-waste facility	4	Field visit to a nearby e-waste collection, handling or recycling facility
Practical	Explain environmental law and producer responsibility	5	Environmental protection laws and producer responsibility for e-waste management
Practical	Apply regulatory mechanisms to educational institutions	6	Regulatory mechanisms for managing e-waste in educational institutions
Practical	Develop feasible strategies for source reduction	7	Discussion and planning of feasible ways to reduce e-waste at source
Practical	Evaluate institutional practices and recommend improvements	8	Evaluate institutional e-waste handling and recommend solutions under applicable rules

Practical	Relate e-waste recycling to the circular economy	9	Assess how e-waste recycling in metropolitan cities supports the circular economy
Practical	Understand the procedure for e-waste import permissions	10	Develop an understanding and itinerary for obtaining e-waste import permissions
Practical	Document available disposal and recycling mechanisms	11	Prepare an inventory of e-waste disposal and recycling mechanisms
Practical	Trace the evolution of Indian e-waste regulations	12	Study the Hazardous Waste Rules 2008 and E-Waste Rules 2011, 2016 and 2023
Practical	Compare key international e-waste conventions and directives	13	Basel, Bamako and Rotterdam Conventions; WEEE and RoHS Directives
Practical	Communicate findings and sustainable management solutions	14	Student presentations
Practical	Demonstrate completion and understanding of practical work	15	Practical file evaluation and feedback

S. No.	Name of Authors/Books/Publishers
1.	Hester, R. E. and Harrison, R. M. (2009). Electronic Waste Management: Design, Analysis and Application. Royal Society of Chemistry Publishing, Cambridge, UK.
2.	Fowler, B. A. (2017). Electronic Waste: Toxicology and Public Health Issues. Academic Press.